

IN THE SPECIFICATION:

Please replace the paragraph on page 17, line 27 to page 18, line 13, with the following paragraph:

FIG. 6 is a flowchart of identification of a heart rhythm in an implantable medical device according to the present invention. As illustrated in FIGS. 1 and 6, arrhythmia detector 36 ~~39~~ receives QRS intervals from QRS detector 36 corresponding to ventricular events detected by QRS detector 36, Step 200. An RR interval corresponding to the time interval between the R wave of a received QRS interval and the R wave of a previously received QRS interval is calculated for each received QRS interval, Step 202. Once a predetermined number of consecutive RR intervals have been calculated, Step 204, arrhythmia detector 39 computes a median RR interval associated with all or a portion of the predetermined number of consecutive RR intervals, Step 206. For example, according to a preferred embodiment of the present invention, once intervals between nineteen consecutive R waves has been calculated, resulting in eighteen RR intervals, a median RR interval associated with the last seven RR intervals of the eighteen RR intervals is calculated. It is understood that while a preferred embodiment of the present invention utilizes seven of eighteen consecutive RR intervals to compute the median RR interval, the present invention is not intended to be limited to the use of seven of eighteen consecutive RR intervals. Rather, the present invention may utilize any number of intervals between consecutive R waves to form any number of RR intervals in Steps 204 and 206. In addition, it is understood that the present invention may utilize any number of the RR intervals, including all of the RR intervals, to compute the median RR Interval in Step 206.